CLASS COPY DO NOT WRITE ON! COMPLETE ALL WORK IN NOTEBOOK!   
  
Do Now:

CW#84: Surface Area of a Cylinder

Geometry

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| --- | --- | --- | --- |
| 1. Find the area.   http://www.mathx.net/image/Circle_area.png | 1. Find the circumference.   http://www.mathx.net/image/Circle_area.png | 1. Find the area.   http://www.cimt.plymouth.ac.uk/projects/mepres/book8/bk8i16/s4q5.gif | 1. Find the circumference.   http://www.cimt.plymouth.ac.uk/projects/mepres/book8/bk8i16/s4q5.gif |

Construction: Answer the questions in your notebooks!

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| 1. Cut out the net for the cylinder. 2. What shapes make up the cylinder? 3. How do you find the area of each shape? | 1. How will you find the surface area? 2. How is the circle related to the rectangle? |

Labeling Nets: Draw the net

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| https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcRK0X3cTBZjaqHYPaRyNl5FIK1amQ8X6PkHWtF-ZkTtbpKsuaWB1. | What information are you given? | https://upload.wikimedia.org/wikipedia/commons/thumb/2/21/Geometric_Net_of_a_Cylinder.svg/2000px-Geometric_Net_of_a_Cylinder.svg.png |
| http://www.mathatube.com/images/aaa.jpg2. | What information are you given? | https://upload.wikimedia.org/wikipedia/commons/thumb/2/21/Geometric_Net_of_a_Cylinder.svg/2000px-Geometric_Net_of_a_Cylinder.svg.png |
| Macintosh HD:Users:rmitrovich:Desktop:Screen Shot 2016-03-29 at 9.31.24 PM.png3. | What information are you given? | https://upload.wikimedia.org/wikipedia/commons/thumb/2/21/Geometric_Net_of_a_Cylinder.svg/2000px-Geometric_Net_of_a_Cylinder.svg.png |

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| 4.  Macintosh HD:Users:rmitrovich:Desktop:Screen Shot 2016-03-29 at 9.28.49 PM.png  Draw the net of the cylinder and label the given information. What information are you given? | 5.  Macintosh HD:Users:rmitrovich:Desktop:Screen Shot 2016-03-29 at 9.29.10 PM.png  What information are you given? | Macintosh HD:Users:rmitrovich:Desktop:Screen Shot 2016-03-29 at 9.31.24 PM.png  What information are you given? |

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| --- | --- | --- |
| 1. What is surface area?  2. How will you find the surface area of a cylinder?  3. How are the circles related to the rectangle? | | |
| 4. Find the surface area.    What are you given? | 5. Find the surface area  What are you given? | 6. Find the surface area.    What are you given? |

HW#84 Surface Area of a Cylinder

Geometry

Due: Tuesday, May 2nd

COPY ALL FIGURES AND COMPLETE ALL WORK IN NOTEBOOK!

Failure to show work will result in LaSalle.

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| --- | --- | --- | --- |
| 1. Find the area.  http://www.mathematics-monster.com/images5/radius_1.jpg | 2. Find the circumference.  http://www.mathematics-monster.com/images5/radius_1.jpg | 3. Find the area.  http://etc.usf.edu/clipart/36500/36566/circle8_36566_lg.gif | 4. Find the circumference.  http://etc.usf.edu/clipart/36500/36566/circle8_36566_lg.gif |

Calculating Surface Area: Find the surface area. (Draw the net, Label the net, Find the area of each shape, Calculate surface area)

|  |  |
| --- | --- |
| 7. | 8. |
| 9. | 10. |

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| NAME: Period: |

SWBAT use a cylinder net to discover the formula for the surface area of a circle

1) What shapes make up the net of a cylinder? Use a drawing in your answer.

2) Describe how to find the surface area of a cylinder.

3) Find the surface area of the can.



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| NAME: Period: |

SWBAT use a cylinder net to discover the formula for the surface area of a circle

1) What shapes make up the net of a cylinder? Use a drawing in your answer.

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3) Find the surface area of the can.

